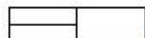


SWAMP Safe-To-Swim Study April-September 2011

Sample Site for the Deer Creek Watershed (Nevada County)



0 0.1 0.2

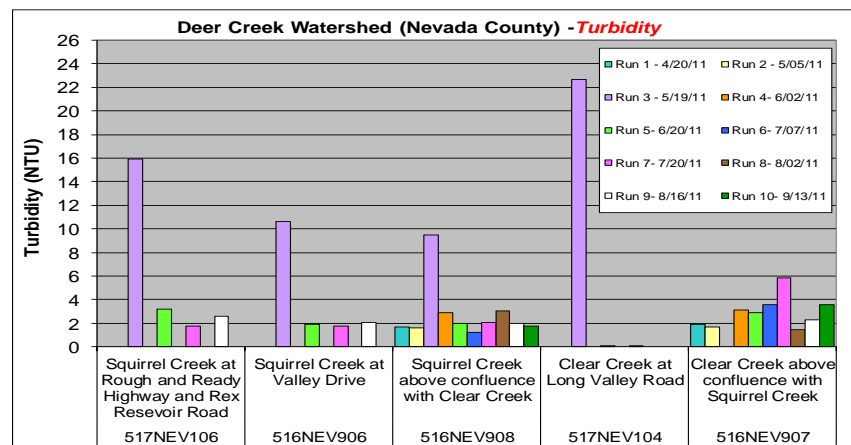
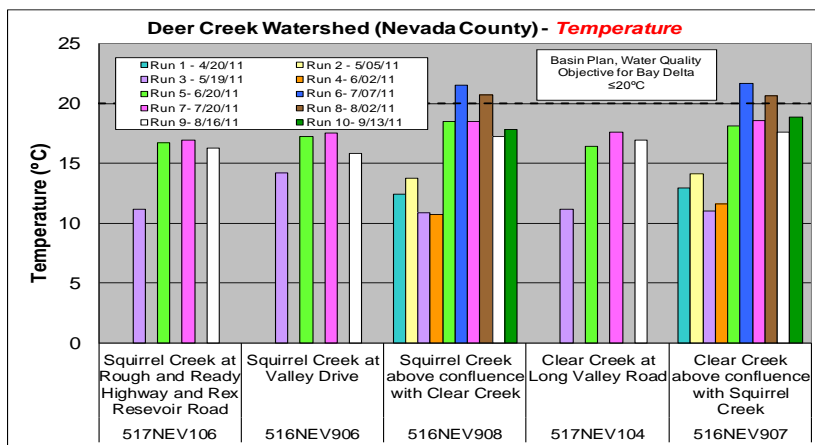
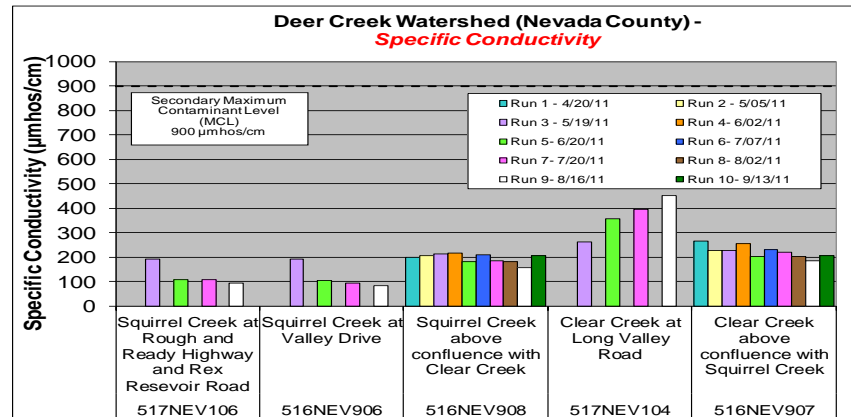
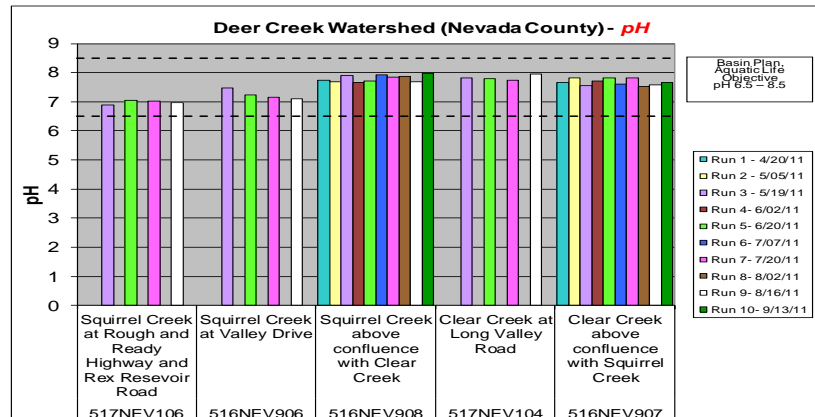
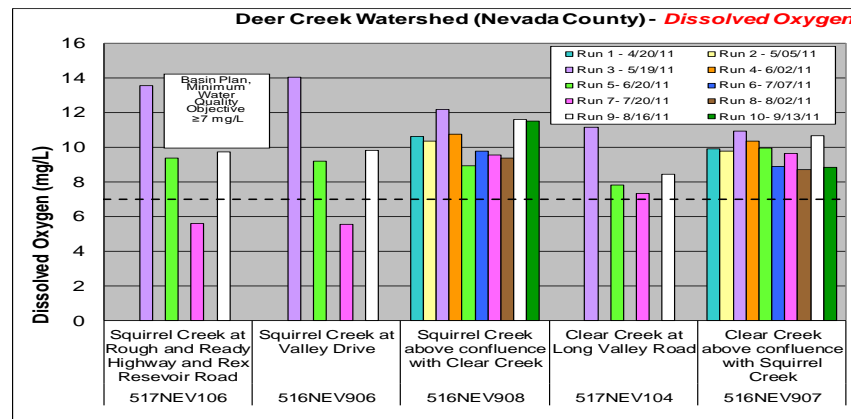
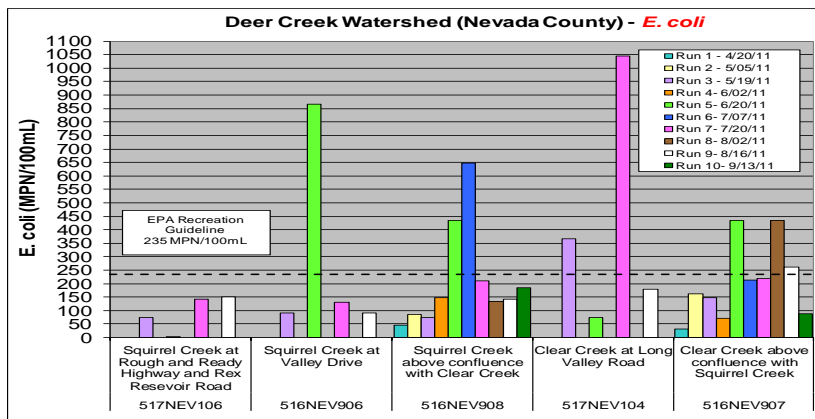


Miles

LEGEND

● Deer Creek (Nevada County) Sites

— Smaller Tributaries



Unit measurements:

MPN/100mL = Most Probable Number per 100 milliliters mg/L = milligrams per Liter µmhos/cm = micromhos per centimeter °C = degrees Celcius NTU = Nephelometric Turbidity Units

Constituent	Water Quality Guideline	Sample Date	Squirrel Creek at Rough and Ready HWY and Rex Reservoir Rd	Squirrel Creek at Valley Drive	Squirrel Creek above confluence with Clear Creek	Clear Creek at Long Valley Rd	Clear Creek above confluence with Squirrel Creek
Total Coliform	N/A	2/20/11	N/A	N/A	1119.9	N/A	920.8
		5/05/11	N/A	N/A	2419.6	N/A	2419.6
		5/19/11	2419.6	2419.6	2419.6	2419.6	2419.6
		6/02/11	N/A	N/A	2419.6	N/A	2419.6
		6/20/11	2419.6	2419.6	2419.6	2419.6	2419.6
		7/07/11	N/A	N/A	2419.6	N/A	2419.6
		7/20/11	2419.6	2419.6	2419.6	2419.6	2419.6
		8/02/11	N/A	N/A	2419.6	N/A	2419.6
		8/16/11	2419.6	2419.6	2419.6	1011.2	2419.6
		9/13/11	N/A	N/A	2419.6	N/A	2419.6
E. Coli (MPN/100mL)	<235 MPN/100mL (EPA Recreation Guideline)	2/20/11	N/A	N/A	45.2	N/A	30.5
		5/05/11	N/A	N/A	85.5	N/A	160.7
		5/19/11	73.3	90.6	74.3	365.4	146.7
		6/02/11	N/A	N/A	146.7	N/A	71.2
		6/20/11	0.178	866.4	435.2	75.4	435.2
		7/07/11	N/A	N/A	648.8	N/A	214.3
		7/20/11	142.1	131.4	209.8	1046.2	218.7
		8/02/11	N/A	N/A	133.3	N/A	435.2
		8/16/11	150	90.8	142.1	178.5	261.3
		9/13/11	N/A	N/A	185	N/A	88.6

Constituent	Water Quality Guideline	Sample Date	Squirrel Creek at Rough and Ready HWY and Rex Reservoir Rd	Squirrel Creek at Valley Drive	Squirrel Creek above confluence with Clear Creek	Clear Creek at Long Valley Rd	Clear Creek above confluence with Squirrel Creek
Dissolved Oxygen (mg/L)	≥7 mg/L (Basin Plan Objective) ²	4/20/11	N/A	N/A	10.61	N/A	9.93
		5/05/11	N/A	N/A	10.36	N/A	160.7
		5/19/11	13.54	14.03	12.17	11.16	10.94
		6/02/11	N/A	N/A	10.76	N/A	10.35
		6/20/11	9.39	9.2	8.92	7.8	9.97
		7/07/11	N/A	N/A	9.77	N/A	8.87
		7/20/11	5.59	5.57	9.55	7.31	9.66
		8/02/11	N/A	N/A	9.36	N/A	8.71
		8/16/11	9.75	9.83	11.62	7.45	10.65
		9/13/11	N/A	N/A	11.51	N/A	8.84
pH	6.5-8.5 (Basin Plan Objective) ²	2/20/11	N/A	N/A	7.74	N/A	7.67
		5/05/11	N/A	N/A	7.69	N/A	7.83
		5/19/11	6.88	7.48	7.91	7.81	7.56
		6/02/11	N/A	N/A	7.65	N/A	7.7
		6/20/11	7.06	7.23	7.71	7.78	7.82
		7/07/11	N/A	N/A	7.92	N/A	7.61
		7/20/11	7.01	7.15	7.84	7.73	7.83
		8/02/11	N/A	N/A	7.86	N/A	7.53
		8/16/11	6.96	7.09	7.68	7.95	7.57
		9/13/11	N/A	N/A	7.98	N/A	7.67

Constituent	Water Quality Guideline	Sample Date	Squirrel Creek at Rough and Ready HWY and Rex Reservoir Rd	Squirrel Creek at Valley Drive	Squirrel Creek above confluence with Clear Creek	Clear Creek at Long Valley Rd	Clear Creek above confluence with Squirrel Creek
Specific Conductivity	≤900 µmhos/cm (Secondary Maximum Contaminant Level) ¹	4/20/11	N/A	N/A	198	N/A	265
		5/05/11	N/A	N/A	206	N/A	228
		5/19/11	191	192	212	261	226
		6/02/11	N/A	N/A	218	N/A	257
		6/20/11	107.3	105.90	182	356.6	203
		7/07/11	N/A	N/A	211	N/A	21.65
		7/20/11	108.4	95.1	184	394.3	221
		8/02/11	N/A	N/A	181	N/A	204
		8/16/11	92.5	82	158	453	186
		9/13/11	N/A	N/A	205	N/A	205
Temperature (°C)	≤20 °C (Basin Plan Objective for Bay-Delta) ²	2/20/11	N/A	N/A	12.44	N/A	12.91
		5/05/11	N/A	N/A	13.74	N/A	14.12
		5/19/11	11.14	14.17	10.91	11.2	11.01
		6/02/11	N/A	N/A	10.7	N/A	11.63
		6/20/11	16.7	17.2	18.52	16.4	18.11
		7/07/11	N/A	N/A	21.5	N/A	21.65
		7/20/11	16.9	17.5	18.5	17.6	18.59
		8/02/11	N/A	N/A	20.72	N/A	20.61
		8/16/11	16.3	15.8	17.23	16.9	17.61
		9/13/11	N/A	N/A	17.79	N/A	18.88

Constituent	Water Quality Guideline	Sample Date	Squirrel Creek at Rough and Ready HWY and Rex Reservoir Rd	Squirrel Creek at Valley Drive	Squirrel Creek above confluence with Clear Creek	Clear Creek at Long Valley Rd	Clear Creek above confluence with Squirrel Creek
Turbidity (NTU)	N/A	4/20/11	N/A	N/A	1.72	N/A	1.91
		5/05/11	N/A	N/A	1.65	N/A	1.72
		5/19/11	15.9	10.6	9.49	22.7	17
		6/02/11	N/A	N/A	2.9	N/A	3.16
		6/20/11	3.2	1.9	1.98	0.1	2.89
		7/07/11	N/A	N/A	1.24	N/A	3.59
		7/20/11	1.8	1.8	2.04	0.07	5.89
		8/02/11	N/A	N/A	3.07	N/A	1.48
		8/16/11	2.6	2.1	1.96	0	2.31
		9/13/11	N/A	N/A	1.79	N/A	3.6